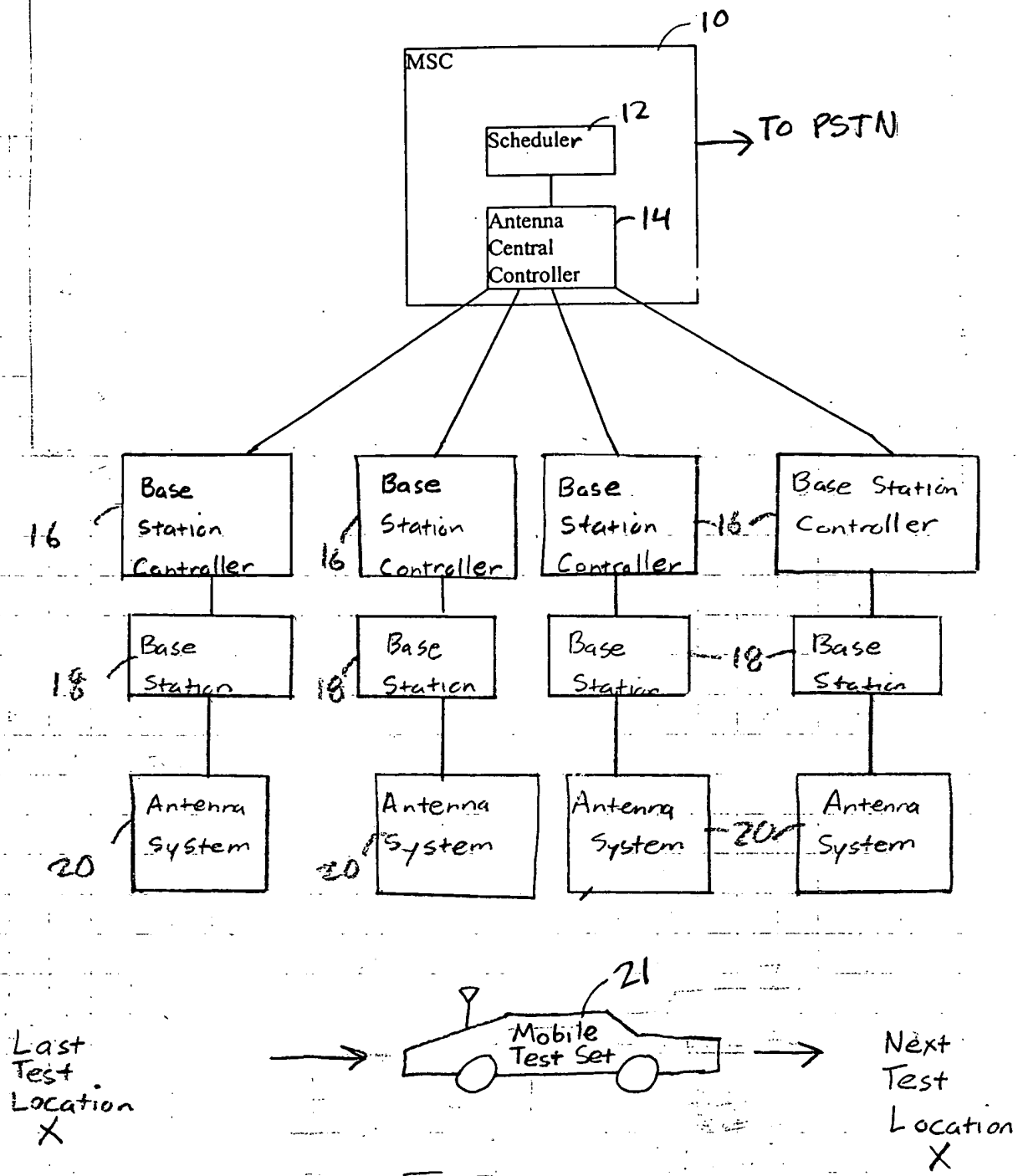


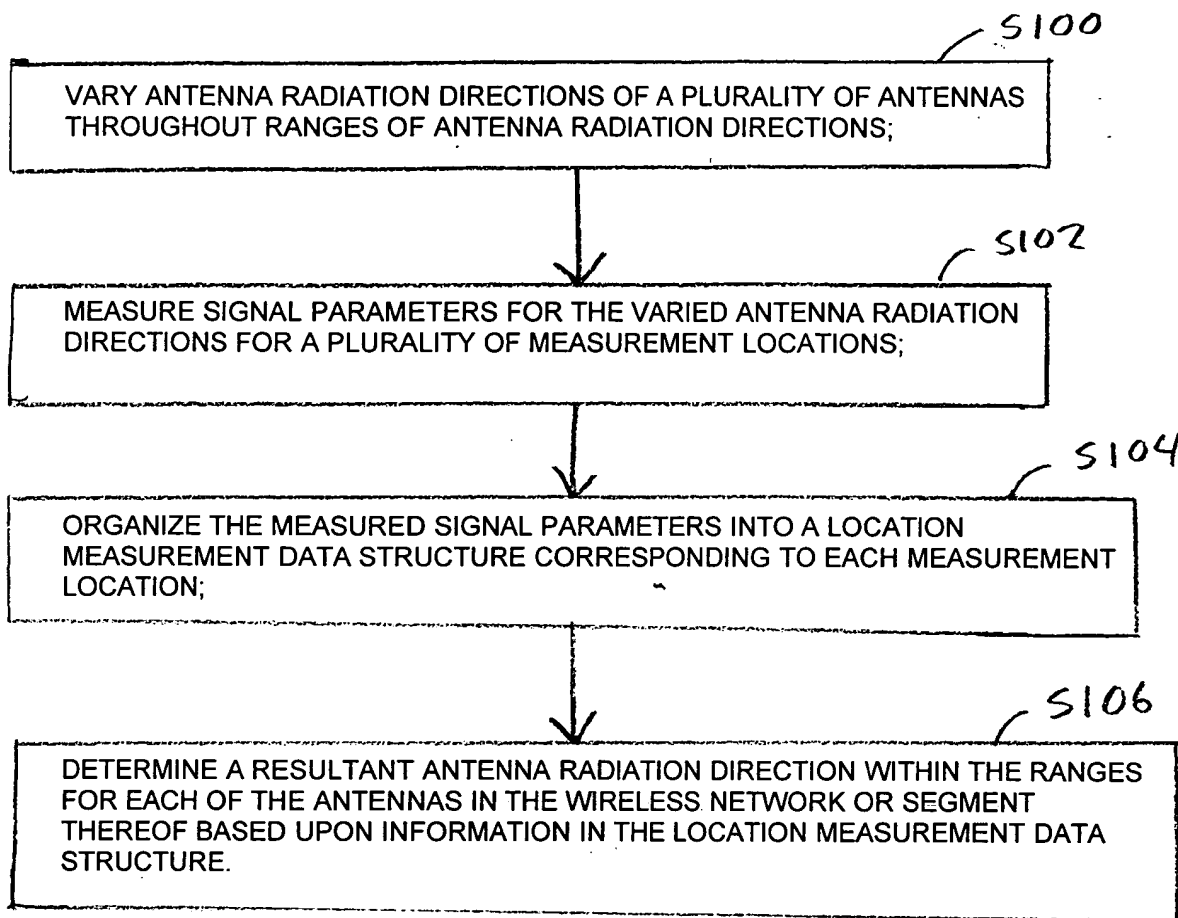
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FIG. 1

FIG. 2



094931239 66220" 2164260

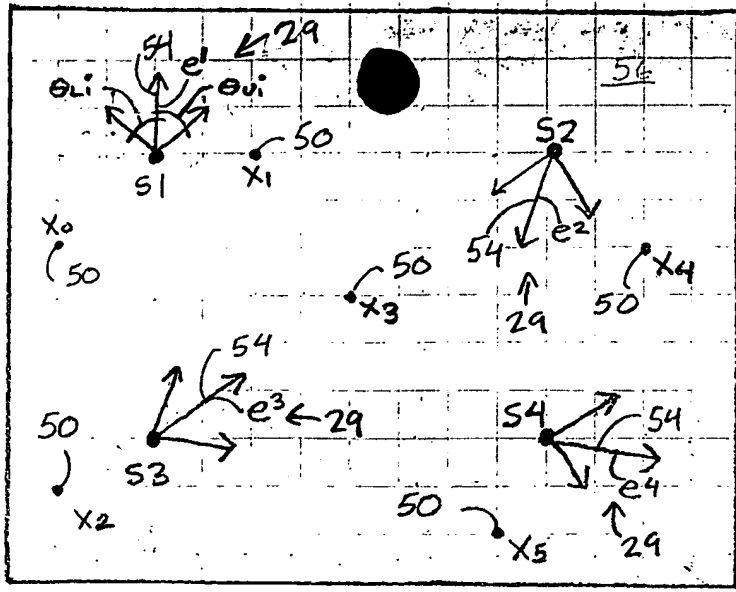


FIG. 3A

56

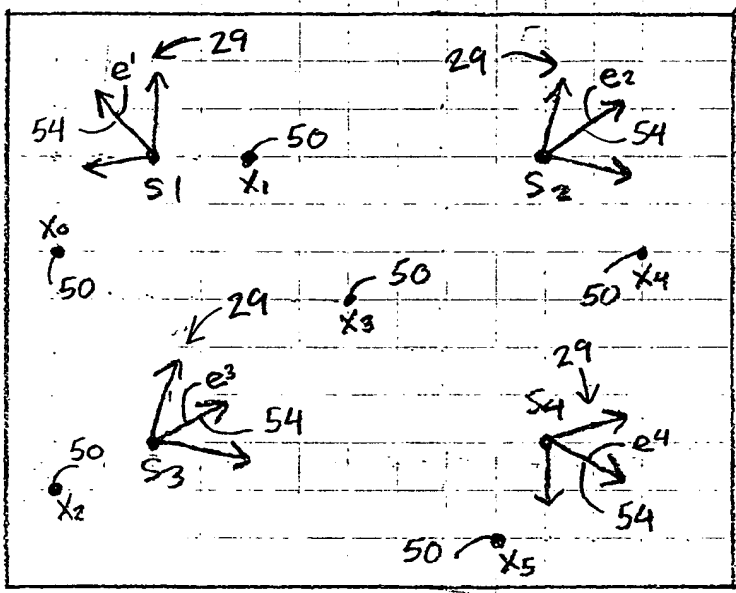


FIG. 3B

56

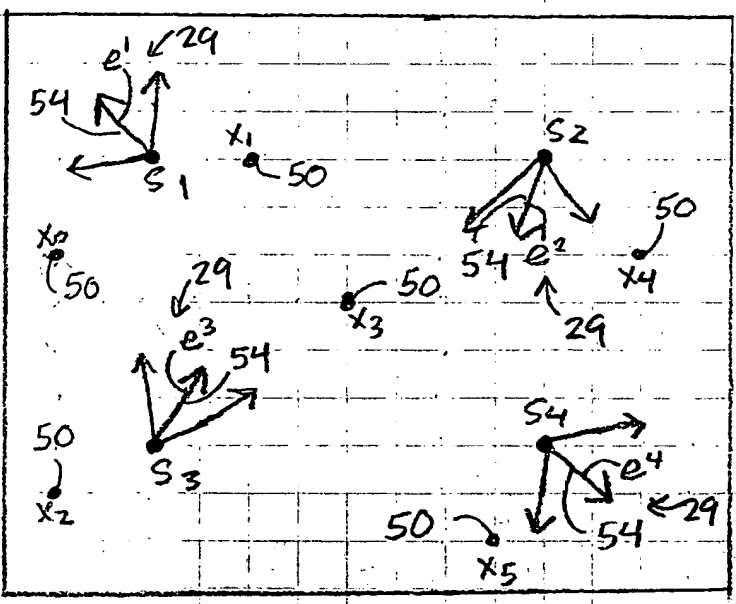


FIG. 3C

56

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Measurement Arrangement

2925-248P

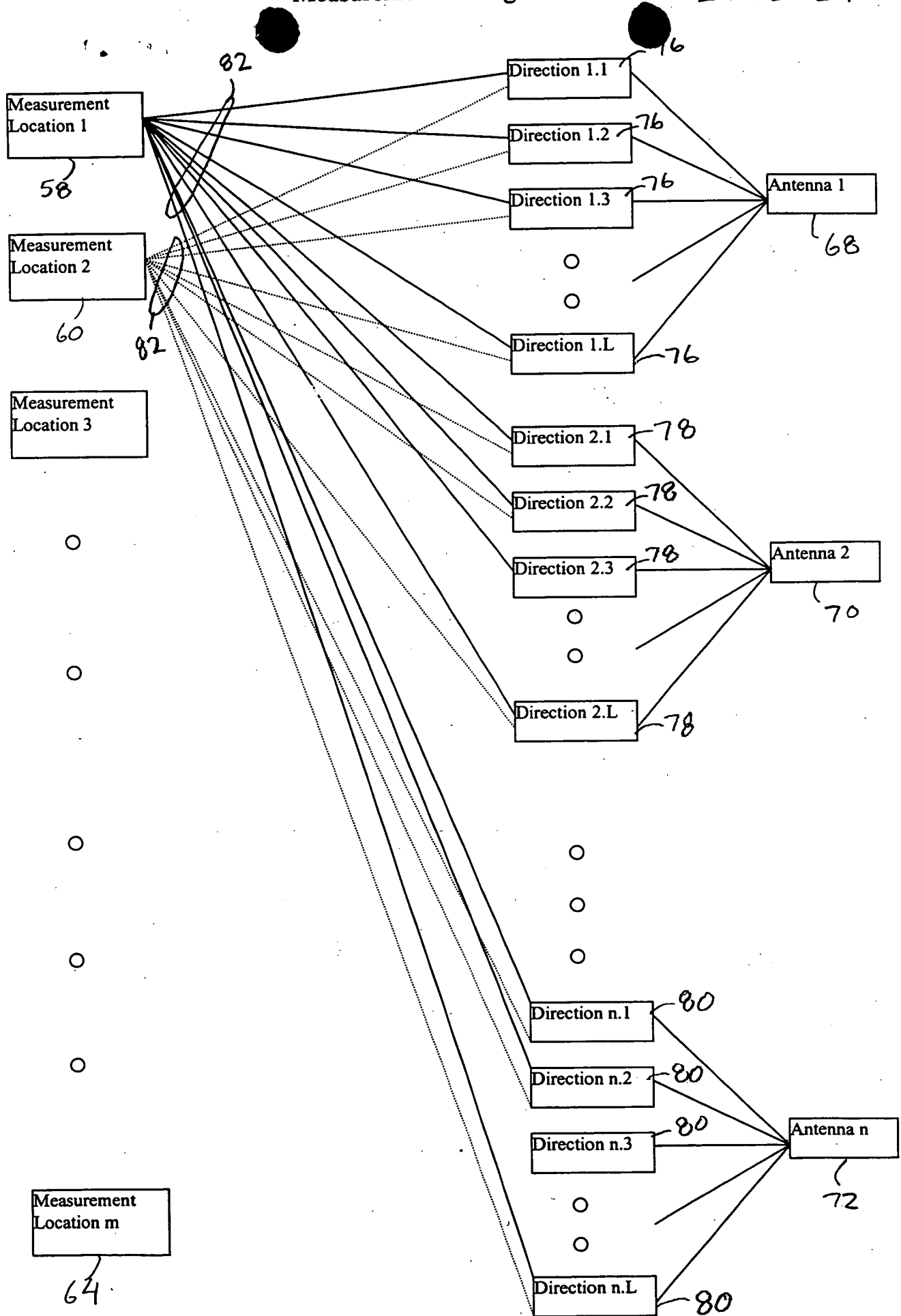


FIG.4

Interference Measurement

102 →

$$\begin{pmatrix} S_2(x^1, e_1^2) & S_2(x^1, e_2^2) & \dots & \dots & S_2(x^1, e_q^2) \\ \vdots & \vdots & \vdots & \vdots & \vdots \\ S_n(x^1, e_1^n) & S_n(x^1, e_2^n) & \dots & \dots & S_n(x^1, e_q^n) \end{pmatrix} = \begin{array}{l} \text{first test} \\ \text{location} \\ \text{measurement} \\ \text{matrix of} \\ \text{signal strength} \\ \text{served by} \\ \text{antenna } i=1 \end{array}$$

:

$$\begin{pmatrix} S_1(x^m, e_1^1) & S_1(x^m, e_2^1) & \dots & \dots & S_1(x^m, e_q^1) \\ S_2(x^m, e_1^2) & S_2(x^m, e_2^2) & \dots & \dots & S_2(x^m, e_q^2) \\ \vdots & \vdots & \vdots & \vdots & \vdots \\ S_n(x^m, e_1^n) & S_n(x^m, e_2^n) & \dots & \dots & S_n(x^m, e_q^n) \end{pmatrix} = \begin{array}{l} \text{last test} \\ \text{location} \\ \text{measurement} \\ \text{matrix of} \\ \text{signal strength} \\ \text{served by antenna} \\ i=1 \end{array}$$

$$\begin{pmatrix} N_1(x^1, e_1^1) & N_1(x^1, e_2^1) & \dots & \dots & N_1(x^1, e_q^1) \\ N_2(x^1, e_1^2) & N_2(x^1, e_2^2) & \dots & \dots & N_2(x^1, e_q^2) \\ \vdots & \vdots & \vdots & \vdots & \vdots \\ N_n(x^1, e_1^n) & N_n(x^1, e_2^n) & \dots & \dots & N_n(x^1, e_q^n) \end{pmatrix} = \begin{array}{l} \text{first test} \\ \text{location measurement} \\ \text{matrix of background} \\ \text{noise} \end{array}$$

:

104 →

$$\begin{pmatrix} N_1(x^m, e_1^1) & N_1(x^m, e_2^1) & \dots & \dots & N_1(x^m, e_q^1) \\ N_2(x^m, e_1^2) & N_2(x^m, e_2^2) & \dots & \dots & N_2(x^m, e_q^2) \\ \vdots & \vdots & \vdots & \vdots & \vdots \\ N_n(x^m, e_1^n) & N_n(x^m, e_2^n) & \dots & \dots & N_n(x^m, e_q^n) \end{pmatrix} = \begin{array}{l} \text{last test} \\ \text{location} \\ \text{measurement} \\ \text{matrix of} \\ \text{background} \\ \text{noise} \end{array}$$

FIG. 6

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Set an initial value $e^{(0)} \in S$. Set the parameter $k=0$, $Q_{\min} > 0$ and $e_{\min} = e^{(0)}$. S10

Calculate $Q(e^{(k)})$. S12

Is the calculated $Q(e^{(k)}) < Q_{\min}$? S14

No

Yes

Set $Q_{\min} = Q(e^{(k)})$ and $e_{\min} = e^{(k)}$. S16

Is $k = N$? S18

No

Set $k = k + 1$. S20

Yes

Stop S22

FIG. 7

00249312 001200
000120 21E64260

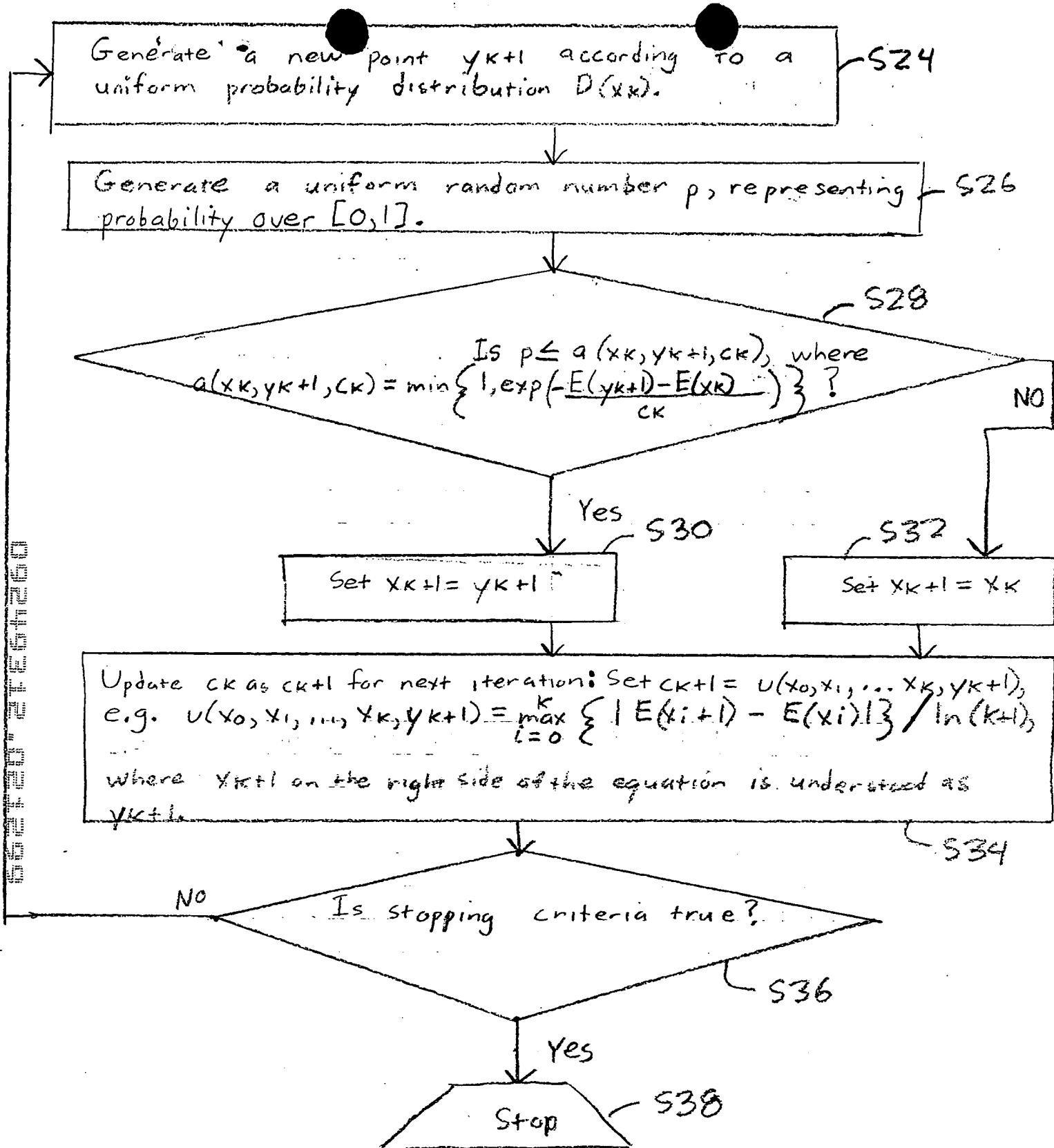


FIG. 8

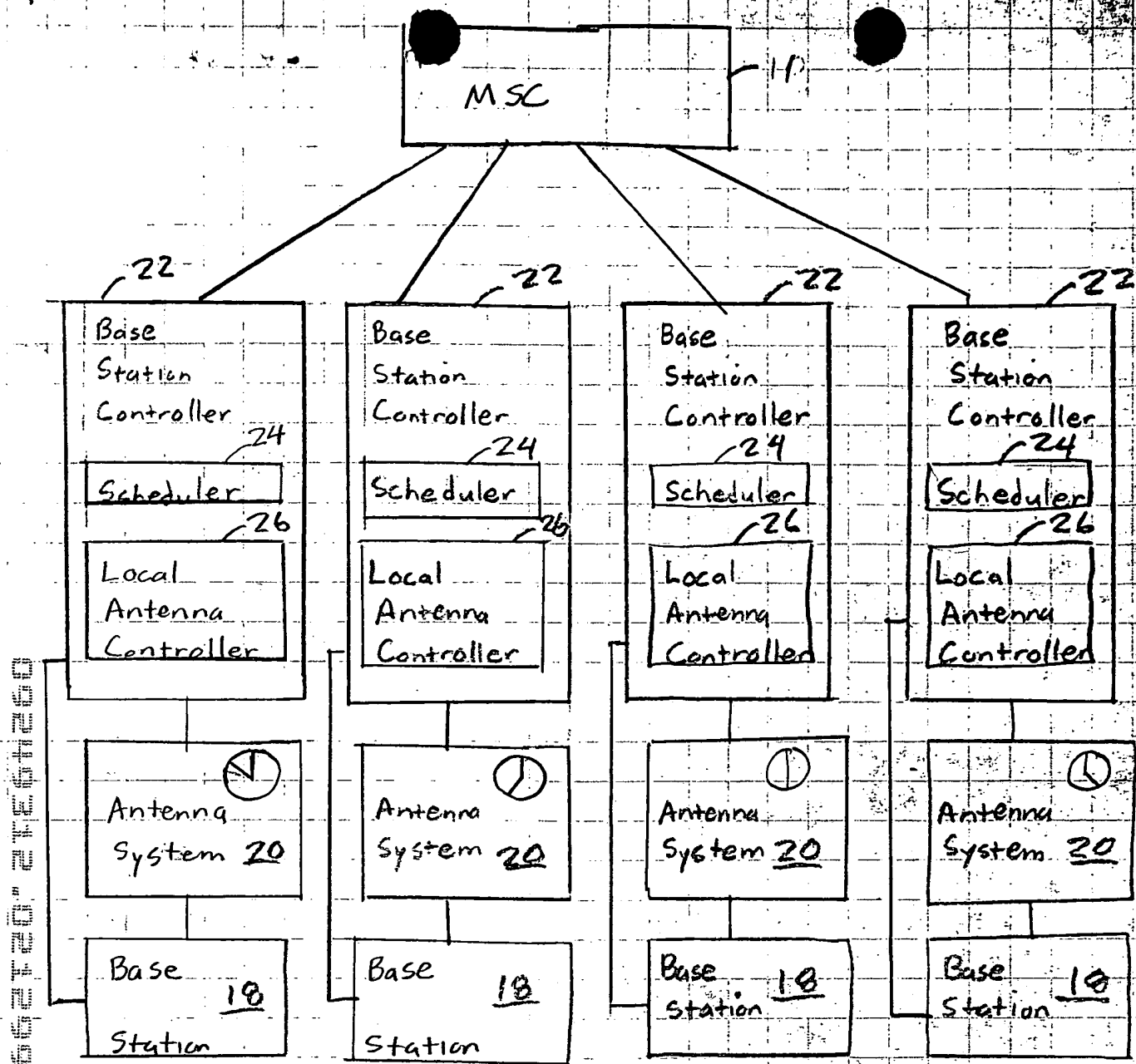


FIG. 9

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